

Application/Control Number: 10/643,240

Page 2

Art Unit: 3700

CLMPTO

8/18/03

TVH

CLAIMS 1-22 CANCELED

Art Unit: 3700

- ²³ 1. A method of producing a saw blade, said method comprising the steps of:
forming a plurality of protrusions at a longitudinal edge of an elongated body;
forming a seat at each of the protrusions;
forming a plurality of form bodies of hard cutting material to be shaped as one of a part of a ball and a part of a cylinder;
connecting each one of the form bodies shaped as one of a part of a ball and a part of a cylinder to one of the seats;
forming a surface at each of the form bodies at a side to face away from the respective seat to form a cutting portion of a tooth such that the cutting portion has a wedge angle which is less than approximately 90 degrees and such that a free angle is formed.
- ²³ 24. The method of claim ²³ 1, wherein each one of the plurality of form bodies is formed to be less than one of a semi ball and a semi cylinder before it is connected to one of the seats.
- ²³ 25. The method of claim ²³ 1, wherein each one of the plurality of form bodies is formed to be less than a semi ball before it is connected to one of the seats.
- ²³ 26. The method of claim ²³ 1, wherein each one of the plurality of form bodies is formed to be less than a semi cylinder before it is connected to one of the seats.
- ²³ 27. The method of claim ²³ 1, wherein the surface at each of the form bodies is produced before the form body is connected to one of the seats.
- ²⁷ 28. The method of claim ²⁷ 1, wherein the surface at each of the form bodies is produced by sintering.

Art Unit: 3700

²³
29 1. The method of claim 1, wherein the surface at each of the form bodies is produced by grinding.

²⁹
30 8. The method of claim 1, wherein said surface at each of the form bodies is the only ground surface of the form body.

²³
31 9. The method of claim 1, wherein the form bodies shaped as one of a part of a ball and a part of a cylinder are connected to one of the seats by welding.

²³
32 10. The method of claim 1, wherein the form bodies shaped as one of a part of a ball and a part of a cylinder are connected to one of the seats by soldering.

²³
33 11. The method of claim 1, wherein said surface at each of the form bodies is formed to be curved.

²³
34 12. The method of claim 1, wherein said surface at each of the form bodies is formed to be plain.